



LEGEND

LOW WATER DATUM
ELEVATIONS AND PROJECT DEPTHS ARE REFERRED TO INTERNATIONAL GREAT LAKES DATUM. (1985)

GRID COORDINATES
GRIDS SHOWN ARE BASED ON NATIONAL GEODETIC SURVEY PROJECTION TABLES. STATE OF MICHIGAN, SOUTH ZONE (2113). LAMBERT PROJECTION, 1983 NORTH AMERICAN DATUM.

ALL COORDINATES ARE IN U.S. SURVEY FEET.

DIRECTIONS

ALL DIRECTIONS ARE GRID AZIMUTHS REFERRED TO NORTH ZERO.

PROJECT DEPTHS ARE AS INDICATED ABOVE. ALL DEPTHS ARE IN U.S. SURVEY FEET.

THE AUTOMATED ELECTRONIC SURVEY WAS CONDUCTED BY ROBERT W. POLK AND JAMES P. BYRNE, ABOARD THE USACADE SURVEY VESSEL "WHEELER".

AUTOMATED EQUIPMENT USED

POSITIONING: TSS POS-MV
SOFTWARE: HYDRAC HYSWEEP
SONIC SOUNDERS: RESON SEABAT 8125

NOTES:

- GAGES USED WERE OBTAINED ELECTRONICALLY FROM NDA CASE AT FERMIL POWER PLANT, MICHIGAN (906309), VIA THE INTERNET.
- POSITIONS WERE DETERMINED BY GPS REFERENCE BEACON 838 LOCATED AT FORT WARR, DETROIT, MICHIGAN. FREQUENCY 315 KHZ AT 200 BPS.
- DEPTH MEASURED USING RESON SEABAT 8125 ULTRA HIGH RESOLUTION FOCUSED MULTIBEAM SOUNDING SYSTEM AND ODOM DIGIBAR PRESSURE VELOCITY PROFILER.
- EDITED MULTIBEAM SOUNDINGS WERE SORTED INTO A 33 FT. BY 15 FT. MATRIX. THE AVERAGE OF ALL SOUNDINGS LOCATED IN EACH MATRIX CELL WAS THEN SELECTED FOR PLOTTING AT THE CELL CENTER.

1. 4 SEPT 2008 EDITED NOTES 2. 4 SEPT 2008 PLACED SOUNDINGS AND CONTOURED		RWP
NO.	DATE	REVISION
U.S. ARMY ENGINEER DISTRICT, DETROIT CORPS OF ENGINEERS DETROIT, MICHIGAN		
DESIGNED BY:	DETROIT AREA OFFICE	29 JULY 2008
DRAWN BY:	DETROIT RIVER, MICHIGAN	
CHECKED BY:	EAST OUTER CHANNEL	
REVIEWED BY:	C.S. 287+00 TO C.S. 323+00	
SUBMITTED BY:	MULTIBEAM CONDITION SWEEP SURVEY	
APPROVED:	AVERAGE DEPTH PLOT	
CHIEF, PORT OPERATIONS	CHIEF, OPERATIONS TECHNICAL SUPPORT BRANCH	DATE
CHIEF, CONSTRUCTION OPERATIONS DIVISION	SCALE AS SHOWN	DRAWING NUMBER
SHEET 9 OF 9		de09c0708.dgn